

# Jörg Eppinger

## List of Publications by Year in descending order

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59  
papers

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236925

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68  
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68  
docs citations

68  
times ranked

3466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioprospecting of Novel Extremozymes From Prokaryotesâ€”The Advent of Culture-Independent Methods. <i>Frontiers in Microbiology</i> , 2021, 12, 630013.	3.5	45
2	Understanding High-Salt and Cold Adaptation of a Polyextremophilic Enzyme. <i>Microorganisms</i> , 2020, 8, 1594.	3.6	30
3	Crystal Structure and Active Site Engineering of a Halophilic $\hat{3}$ -Carbonic Anhydrase. <i>Frontiers in Microbiology</i> , 2020, 11, 742.	3.5	16
4	The <i>Arabidopsis</i> Diacylglycerol Kinase 4 is involved in nitric oxide-dependent pollen tube guidance and fertilization. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	19
5	Discovery of a Nitric Oxide-Responsive Protein in <i>Arabidopsis thaliana</i> . <i>Molecules</i> , 2019, 24, 2691.	3.8	14
6	Robust and Versatile Host Protein for the Design and Evaluation of Artificial Metal Centers. <i>ACS Catalysis</i> , 2019, 9, 11371-11380.	11.2	12
7	Engineering a Polyspecific Pyrrolysyl-tRNA Synthetase by a High Throughput FACS Screen. <i>Scientific Reports</i> , 2019, 9, 11971.	3.3	24
8	Genetically Encoded Biotin Analogues: Incorporation and Application in Bacterial and Mammalian Cells. <i>ChemBioChem</i> , 2019, 20, 1795-1798.	2.6	1
9	A polyextremophilic alcohol dehydrogenase from the Atlantis II Deep Red Sea brine pool. <i>FEBS Open Bio</i> , 2019, 9, 194-205.	2.3	15
10	A two-stage biological gas to liquid transfer process to convert carbon dioxide into bioplastic. <i>Bioresource Technology Reports</i> , 2018, 1, 61-68.	2.7	22
11	Bedford-Type Palladacycle-Catalyzed Miyaura Borylation of Aryl Halides with Tetrahydroxydiboron in Water. <i>Journal of Organic Chemistry</i> , 2018, 83, 1842-1851.	3.2	14
12	Aqueous protocol for allylic arylation of cinnamyl acetates with sodium tetraphenylborate using a Bedford-type palladacycle catalyst. <i>New Journal of Chemistry</i> , 2018, 42, 6210-6214.	2.8	9
13	Water promoted allylic nucleophilic substitution reactions of ( <i>E</i> )-1,3 diphenylallyl acetate. <i>Green Chemistry</i> , 2018, 20, 425-430.	9.0	12
14	Identification and Experimental Characterization of an Extremophilic Brine Pool Alcohol Dehydrogenase from Single Amplified Genomes. <i>ACS Chemical Biology</i> , 2018, 13, 161-170.	3.4	19
15	Poly(3-hydroxybutyrate) production in an integrated electromicrobial setup: Investigation under stress-inducing conditions. <i>PLoS ONE</i> , 2018, 13, e0196079.	2.5	37
16	Biodegradable Magnetic Silica@Iron Oxide Nanovectors with Ultra-Large Mesopores for High Protein Loading, Magneto-thermal Release, and Delivery. <i>Journal of Controlled Release</i> , 2017, 259, 187-194.	9.9	81
17	Formic Acid as a Hydrogen Energy Carrier. <i>ACS Energy Letters</i> , 2017, 2, 188-195.	17.4	596
18	Bioprospecting Archaea: Focus on Extreme Halophiles. <i>Topics in Biodiversity and Conservation</i> , 2017, , 81-112.	1.0	10

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19	A Novel Technique for Generating and Observing Chemiluminescence in a Biological Setting. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	0
20	cis-Tetrachlorido-bis(indazole)osmium(iv) and its osmium(iii) analogues: paving the way towards the cis-isomer of the ruthenium anticancer drugs KP1019 and/or NKP1339. <i>Dalton Transactions</i> , 2017, 46, 11925-11941.	3.3	11
21	S-functionalized MXenes as electrode materials for Li-ion batteries. <i>Applied Materials Today</i> , 2016, 5, 19-24.	4.3	89
22	Near-Infrared Intraoperative Chemiluminescence Imaging. <i>ChemMedChem</i> , 2016, 11, 1978-1982.	3.2	5
23	Production of halophilic proteins using <i>Haloferax volcanii</i> H1895 in a stirred-tank bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1183-1195.	3.6	21
24	Mechanistic insights into the reductive dehydroxylation pathway for the biosynthesis of isoprenoids promoted by the IspH enzyme. <i>Chemical Science</i> , 2015, 6, 5643-5651.	7.4	12
25	Atomic-Resolution Structures of Discrete Stages on the Reaction Coordinate of the [Fe <sub>4</sub> S <sub>4</sub> ] Enzyme IspG (GcpE). <i>Journal of Molecular Biology</i> , 2015, 427, 2220-2228.	4.2	14
26	Mining a database of single amplified genomes from Red Sea brine pool extremophiles—improving reliability of gene function prediction using a profile and pattern matching algorithm (PPMA). <i>Frontiers in Microbiology</i> , 2014, 5, 134.	3.5	15
27	Synthetic strategies for efficient conjugation of organometallic complexes with pendant protein reactive markers. <i>Journal of Organometallic Chemistry</i> , 2013, 744, 82-91.	1.8	9
28	Phenylalanine— a biogenic ligand with flexible $\eta^6$ - and $\eta^6:\eta^1$ -coordination at ruthenium(ii) centres. <i>Dalton Transactions</i> , 2013, 42, 8692.	3.3	13
29	Metal-Conjugated Affinity Labels: A New Concept to Create Enantioselective Artificial Metalloenzymes. <i>ChemistryOpen</i> , 2013, 2, 50-54.	1.9	22
30	Electronic and Magnetic Properties of Infinite 1D Chains of Paddlewheel Carboxylates $M_2(COOR)_4$ (M = Mo, W, Ru, Rh, Ir, Cu). <i>Journal of Physical Chemistry C</i> , 2013, 117, 5462-5469.	3.1	10
31	Metal-Conjugated Affinity Labels: A New Concept to Create Enantioselective Artificial Metalloenzymes. <i>ChemistryOpen</i> , 2013, 2, 40-40.	1.9	0
32	A <i>Saccharomyces cerevisiae</i> Assay System to Investigate Ligand/AdipoR1 Interactions That Lead to Cellular Signaling. <i>PLoS ONE</i> , 2013, 8, e65454.	2.5	12
33	Ruthenium(II) pincer complexes with oxazoline arms for efficient transfer hydrogenation reactions. <i>Tetrahedron Letters</i> , 2012, 53, 4409-4412.	1.4	44
34	An efficient protocol for the palladium-catalysed Suzuki—Miyaura cross-coupling. <i>Green Chemistry</i> , 2011, 13, 169-177.	9.0	99
35	An efficient protocol for copper-free palladium-catalyzed Sonogashira cross-coupling in aqueous media at low temperatures. <i>Tetrahedron Letters</i> , 2011, 52, 6355-6358.	1.4	44
36	$\eta^6$ -Arene complexes of ruthenium and osmium with pendant donor functionalities. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2667-2672.	1.8	21

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37	Probing the reaction mechanism of IspH protein by x-ray structure analysis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1077-1081.	7.1	103
38	Biosynthesis of Isoprenoids: Crystal Structure of the [4Fe <sup>4</sup> S] Cluster Protein IspG. Journal of Molecular Biology, 2010, 404, 600-610.	4.2	65
39	Facile palladium catalyzed Suzuki-Miyaura coupling in air and water at ambient temperature. Green Chemistry, 2010, 12, 35-38.	9.0	66
40	Structure of Active IspH Enzyme from <i>Escherichia coli</i> Provides Mechanistic Insights into Substrate Reduction. Angewandte Chemie - International Edition, 2009, 48, 5756-5759.	13.8	74
41	<sup>31</sup> P NMR assays for rapid determination of enantiomeric excess in catalytic hydrosilylations and transfer hydrogenations. Tetrahedron: Asymmetry, 2009, 20, 362-367.	1.8	20
42	Side chain functionalized $\eta^5$ -tetramethyl cyclopentadienyl complexes of Rh and Ir with a pendant primary amine group. Journal of Organometallic Chemistry, 2009, 694, 1934-1937.	1.8	24
43	Palladium N(CH <sub>2</sub> ) <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> Pr <sub>2</sub> -Dialkylamides: Synthesis, Structural Characterization, and Reactivity. Inorganic Chemistry, 2009, 48, 3699-3709.	4.0	31
44	Synthesis of substituted 1,1'-diaminoferrocenes from cyclo-2-pentene imines. Journal of Organometallic Chemistry, 2008, 693, 2223-2230.	1.8	5
45	Alkyl Complexes of Rare-Earth Metal Centers Supported by Chelating 1,1'-Diamidoferrocene Ligands: Synthesis, Structure, and Application in Methacrylate Polymerization. Organometallics, 2008, 27, 736-740.	2.3	28
46	First Sino-German Symposium: "Frontiers of Chemistry". Nachrichten Aus Der Chemie, 2006, 54, 1142-1144.	0.0	0
47	Inhibitor and Protein Microarrays for Activity-Based Recognition of Lipolytic Enzymes. ChemBioChem, 2006, 7, 527-534.	2.6	18
48	Enzyme family-specific and activity-based screening of chemical libraries using enzyme microarrays. Nature Biotechnology, 2005, 23, 622-627.	17.5	58
49	Evaluating Sandwich Immunoassays in Microarray Format in Terms of the Ambient Analyte Regime. Clinical Chemistry, 2004, 50, 1907-1920.	3.2	91
50	Enzyme Microarrays: On-Chip Determination of Inhibition Constants Based on Affinity-Label Detection of Enzymatic Activity. Angewandte Chemie - International Edition, 2004, 43, 3806-3810.	13.8	37
51	Enzyme Microarrays: On-Chip Determination of Inhibition Constants Based on Affinity-Label Detection of Enzymatic Activity. Angewandte Chemie - International Edition, 2004, 43, 4389-4389.	13.8	2
52	The Lanthanide Ziegler-Natta Model: Aluminum-Mediated Chain Transfer. Organometallics, 2002, 21, 4021-4023.	2.3	60
53	C <sub>2</sub> -Symmetric Ansa-Lanthanidocene Complexes. Theoretical Evidence for a Symmetric Ln <sup>+</sup> (SiH) <sub>2</sub> -Diagostic Interaction. Journal of the American Chemical Society, 2000, 122, 11983-11994.	13.7	73
54	C <sub>2</sub> -Symmetricansa-Lanthanidocene Complexes. Synthesis via Silylamine Elimination and $\eta^2$ -SiH Agostic Rigidity. Journal of the American Chemical Society, 2000, 122, 3080-3096.	13.7	194

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55	Yttrium Calix[4]arene Complexes. Silylation and Silylamine Elimination Reactions on Model Oxo Surfaces. <i>Inorganic Chemistry</i> , 2000, 39, 4713-4720.	4.0	30
56	Synthesis and characterization of alkali metal bis(dimethylsilyl) amides: infinite all-planar laddering in the unsolvated sodium derivative. <i>Polyhedron</i> , 1998, 17, 1195-1201.	2.2	48
57	Synthesis and structural characterisation of rare-earth bis(dimethylsilyl)amides and their surface organometallic chemistry on mesoporous MCM-41. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 847-858.	1.1	246
58	$\beta$ -Si-H Agostic Rigidity in a Solvent-Free Indenyl-Derivedansa-Yttrocene Silylamide. <i>Organometallics</i> , 1997, 16, 1813-1815.	2.3	121
59	Molybdenum-Catalyzed Olefin Epoxidation: Ligand Effects. <i>Chemistry - A European Journal</i> , 1997, 3, 696-705.	3.3	181